



DOCKET NO.: CRNT-0022

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

JUL 31 2002

Technology Center 2600

In Re Application of:

Mollenkopf et al.

Serial No.: 10/036,914

Group Art Unit: 2632

Filing Date: December 21, 2001

Examiner: Not yet assigned

For: **FACILITATING COMMUNICATION OF DATA SIGNALS ON ELECTRIC POWER SYSTEMS**

DATE OF DEPOSIT: 7/25/02
I HEREBY CERTIFY THAT THIS PAPER IS BEING
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE
AS FIRST CLASS MAIL, POSTAGE PREPAID ON THE DATE
INDICATED ABOVE AND IS ADDRESSED TO THE
ASSISTANT COMMISSIONER FOR PATENTS,
WASHINGTON, DC 20231.

TYPED NAME: Vincent J. Roccia
REGISTRATION NO.: 43,887

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).



In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

- ☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:
 - ☐ Certification in Accordance with §1.97(e) is attached; or
 - ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
 - ☐ Certification in Accordance with §1.97(e) is attached; or
 - ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of \$180.00 as set forth in §1.17(p).
- ☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
 - ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.


- ☐ In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:
- ☐ Copies of references **[list as appropriate]** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. , filed .
- ☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.
This form is submitted in duplicate.

English language abstracts have been provided for those listed references which are not in the English language.

Date:

7/25/01



Vincent J. Roccia
Registration No. 43,887

WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. CRNT-0022		Serial No. 10/036,914			
				Applicant Mollenkopf et al.				RECEIVED JUL 31 2002 <i>Technology Center 2600</i>	
				Filing Date December 21, 2001		Group 2632			
U. S. PATENT DOCUMENTS									
Examiner Initial		Document No.	Date	Name	Class	Subclass			
	1	3,895,370	07/15/75	Valentini	340	310			
	2	3,911,415	10/07/75	Whyte	340	310			
	3	3,942,168	03/02/76	Whyte	340	310.01			
	4	3,942,170	03/02/76	Whyte	340	310			
	5	3,967,264	06/29/76	Whyte et al.	340	310.08			
	6	4,012,733	03/15/77	Whyte	340	310			
	7	4,070,572	01/24/78	Summerhayes	250	199			
	8	4,119,948	10/10/78	Ward et al.	340	870.02			
	9	4,142,178	02/27/79	Whyte et al.	340	310			
	10	4,268,818	05/19/81	Davis et al.	340	870.38			
	11	4,433,284	02/21/84	Perkins	323	361			
	12	4,468,792	08/28/84	Baker et al.	375	45			
	13	4,473,816	09/25/84	Perkins	340	310			
	14	4,473,817	09/25/84	Perkins	340	310			
	15	4,481,501	11/06/84	Perkins	340	310			
	16	4,495,386	01/22/85	Brown et al.	455	402			
	17	4,642,607	02/10/87	Strom et al.	340	310			
EXAMINER				DATE CONSIDERED					



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. CRNT-0022		Serial No. 10/036,914	
				Applicant Mollenkopf et al.			
				Filing Date December 21, 2001		Group 2632	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	18	4,644,321	02/17/87	Kennon	340	310 A	
	19	4,686,641	08/11/87	Evans	364	580	
	20	4,749,992	06/07/88	Fitzmeyer et al.	340	870.02	
	21	B1 4,749,992	06/11/96	Fitzmeyer et al.	340	870.02	
	22	4,785,195	11/15/88	Rochelle et al.	307	18	
	23	4,835,517	05/30/89	van der Gracht et al.	340	310 A	
	24	4,979,183	12/18/90	Cowart	375	142	
	25	5,006,846	04/09/91	Granville et al.	340	870.28	
	26	5,191,467	03/02/93	Kapany et al.	359	341	
	27	5,210,519	05/11/93	Moore	340	310	
	28	5,319,634	06/07/94	Bartholomew et al.	370	18	
	29	5,351,272	09/27/94	Abraham	375	38	
	30	5,359,625	10/25/94	Vander Mey et al.	375	1	
	31	5,375,141	10/20/94	Takahashi	375	1	
	32	5,432,841	07/11/95	Rimer	455	457	
	33	5,448,229	09/05/95	Lee, Jr.	340	870.02	
	34	5,461,629	10/24/95	Sutterlin et al.	371	30	
	35	5,579,335	11/26/96	Sutterlin et al.	375	200	
EXAMINER				DATE CONSIDERED			

RECEIVED

JUL 31 2002

Technology Center 2600



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. CRNT-0022	Serial No. 10/036,914	
				RECEIVED JUL 31 2002 <i>Technology Center 2600</i>		
				Applicant Mollenkopf et al.		
				Filing Date December 21, 2001	Group 2632	
U. S. PATENT DOCUMENTS						
Examiner Initial	No.	Document No.	Date	Name	Class	Subclass
	36	5,625,863	04/29/97	Abraham	455	3.3
	37	5,630,204	05/13/97	Hylton et al.	455	3.3
	38	5,640,416	06/17/97	Chalmers	375	147
	39	5,664,002	09/02/97	Skinner, Sr.	379	56.2
	40	5,694,108	12/02/97	Shuey	340	310.01
	41	5,717,685	02/10/98	Abraham	370	30
	42	5,748,671	05/05/98	Sutterlin et al.	375	206
	43	5,770,996	06/23/98	Severson et al.	340	310.08
	44	5,774,526	06/30/98	Propp et al.	379	90.1
	45	5,777,544	07/07/98	Vander Mey et al.	340	310.06
	46	5,777,769	07/07/98	Coutinho	359	173
	47	5,778,116	07/07/98	Tomich	385	16
	48	5,802,102	09/01/98	Davidovici	375	152
	49	5,818,127	10/06/98	Abraham	307	106
	50	5,847,447	12/08/98	Rozin et al.	257	678
	51	5,864,284	01/26/99	Sanderson et al.	340	310.01
	52	5,880,677	03/09/99	Lestician	340	825.06
EXAMINER				DATE CONSIDERED		



Sheet 4 of 8

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. CRNT-0022	Serial No. 10/036,914
	RECEIVED JUL 31 2002 Technology Center 2600	
	Filing Date December 21, 2001	Group 2632

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	53	5,881,098	03/09/99	Tzou	375	152
	54	5,929,750	07/27/99	Brown	340	310.02
	55	5,937,003	08/10/99	Sutterlin et al.	375	208
	56	5,937,342	08/10/99	Kline	455	402
	57	5,949,327	09/07/99	Brown	340	310.01
	58	5,963,585	10/05/99	Omura et al.	375	207
	59	5,977,650	11/02/99	Rickard et al.	307	3
	60	6,014,386	01/11/00	Abraham	370	485
	61	6,037,678	03/14/00	Rickard	307	89
	62	6,040,759	03/21/00	Sanderson	340	310.01
	63	6,226,166 B1	05/01/01	Gumley et al.	361	118
	64	6,282,405 B1	08/28/01	Brown	725	79
	65	6,297,729 B1	10/02/01	Abali et al.	340	310.01
	66	2002/0027496 A1	03/07/02	Cern et al.	340	310.01
EXAMINER				DATE CONSIDERED		



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. CRNT-0022	Serial No. 10/036,914
	Applicant Mollenkopf et al.	
	Filing Date December 21, 2001	Group 2632

RECEIVED
 JUL 31 2002
 Technology Center 2601

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	67	S.N. 09/765,910	01/19/01	Kline	-----	-----
	68	S.N. 09/805,638	03/14/01	Kline	-----	-----
	69	S.N. 09/835,532	04/16/01	Kline	-----	-----
	70	S.N. 09/837,972	04/19/01	Kline et al.	-----	-----
	71	S.N. 09/912,633	07/25/01	Kline	-----	-----
	72	S.N. 09/915,459	07/26/01	Kline	-----	-----
	73	S.N. 09/924,730	08/08/01	Kline	-----	-----
	74	S.N. 10/016,998	12/14/01	Kline	-----	-----
	75	S.N. 10/075,708	02/14/02	Kline	-----	-----
	76	S.N. 10/075,332	02/14/02	Kline	-----	-----
	77	S.N. 10/150,694	05/16/02	Gidge	-----	-----
	78	S.N. 10/165,992	06/10/02	Kline	-----	-----
	79	S. N. 10/176,500	06/21/02	Pridmore, Jr. et al.	-----	-----

EXAMINER	DATE CONSIDERED
-----------------	------------------------



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. CRNT-0022	Serial No. 10/036,914
	Applicant Mollenkopf et al.	
	Filing Date December 21, 2001	Serial No. 10/036,914 RECEIVED JUL 31 2002 Technology Center 2600 Group 2632

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	80	197 28 270 A1	01/07/99	DE	X abstract	
	81	2 122 920 A1	12/16/98	ES	X abstract	
	82	2 335 335 A	09/15/99	GB		
	83	2 341 776 A	03/22/00	GB		
	84	0 948 143 A2	10/06/99	EP	X abstract	
	85	0 959 569 A1	11/24/99	EP	X abstract	
	86	0 913 955 A2	05/06/99	EP		
	87	98/01905 A1	01/15/98	WO		
	88	98/33258 A2	07/30/98	WO		
	89	98/33258 A3	07/30/98	WO		
	90	01/08321 A1	02/01/01	WO	X abstract	
EXAMINER				DATE CONSIDERED		



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. CRNT-0022	Serial No. 10/036,914
		Applicant Mollenkopf et al.	
		Filing Date December 21, 2001	Group 2632
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	91	Patent Abstracts of Japan, Japanese Publication No. 10200544 A2, published July 31, 1998 , (Matsushita Electric Works, LTD)	
	92	Web Printout: http://www.tohoku-epco.co.jp/profil/kurozu/c_vol8_1/art04.htm Tohoku Electric Power, Co., Inc., "Tohoku Electric Develops High-Speed Communications System Using Power Distribution Lines," <i>Tohoku Currents</i> , Spring 1998 , 8(1) , 2 pages	
	93	International Search Report issued in PCT Application No. PCT/US01/01810, Date of Mailing: May 2, 2001	
	94	International Search Report issued in PCT Application No. PCT/US01/12699, Date of Mailing: July 16, 2001	
	95	International Search Report issued in PCT Application No. PCT/US01/12291, Date of Mailing: October 22, 2001	
	96	International Search Report issued in PCT Application No. PCT/US01/48064, Date of Mailing: June 5, 2002	
	97	Written Opinion issued in PCT Application No. PCT/US01/12699, Date of Mailing: May 15, 2002	
EXAMINER		DATE CONSIDERED	

RECEIVED

JUL 31 2002

Technology Center 2600



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. CRNT-0022	Serial No. 10/036,914
	RECEIVED JUL 31 2002	
	Filing Date December 21, 2001	Technology Center 2600 Group 2632

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	98	2,298,435	10/13/42	Tunick	-----	-----
	99	3,445,814	05/20/69	Spalti	340	151
	100	3,656,112	04/11/72	Paull	340	151
	101	4,675,648	06/23/87	Roth et al.	340	310.07
	102	5,684,450	11/04/97	Brown	340	310.02

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	103	95/29536	11/02/95	WO		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	104	International Search Report issued in PCT Application No. PCT/US02/04310, Date of Mailing: June 24, 2002
EXAMINER		DATE CONSIDERED